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DIALOG(R) File 351:Derwent WPI  
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WPI Acc No: 1995-384585/199550

XRAM Acc No: C95-166175

New recombinant polypeptide derived from albumin - comprising albumin  
mol. contg. bioactive peptide insert

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Number of Countries: 019 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2719593	A1	19951110	FR 945616	A	19940506	199550 B
WO 9530759	A1	19951116	WO 95FR520	A	19950420	199551

Priority Applications (No Type Date): FR 945616 A 19940506

Cited Patents: 02Jnl.Ref; EP 399666; WO 9315199; WO 9315200; WO 9315211

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FR 2719593	A1		35	C07K-014/47	
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WO 9530759	A1 F		40	C12N-015/62	
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Designated States (National): CA JP US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

Abstract (Basic): FR 2719593 A

New recombinant polypeptides (I) comprise an active component derived from a natural or synthetic biologically active polypeptide genetically inserted into an albumin mol. Also claimed are: (1) a variant of a nucleotide sequence coding for an albumin mol. contg. at least one unique non-natural restriction site; (2) a nucleotide sequence coding for a polypeptide (I); etc.

USE - The insert pref. comprises all or part of a therapeutically active human polypeptide, esp. selected from enzymes, enzyme inhibitors, antigens, antibodies, hormones, receptors, clotting factors, cytokines (e.g. interferons), growth and/or differentiation factors, osteogenic factors, cell motility factors, cytostatic factors, bactericidal or antifungal factors, and adhesion mols. In addition to therapeutic uses, (I) can be used for diagnostic or research purposes, e.g. for vaccine prodn. and for medical imaging. The nucleotide sequence as in (2) can be used for gene therapy (claimed).

ADVANTAGE - Human serum albumin (HSA) mols. contg. bioactive protein inserts are capable of efficiently presenting the active structure of the insert to its interaction sites while maintaining its activity and providing high plasma stability.

Dwg.0/6

Title Terms: NEW; RECOMBINATION; POLYPEPTIDE; DERIVATIVE; ALBUMIN; COMPRISE  
; ALBUMIN; MOLECULAR; CONTAIN; BIOACTIVE; PEPTIDE; INSERT

Derwent Class: B04; D16

International Patent Class (Main): C07K-014/47; C12N-015/62

International Patent Class (Additional): A61K-038/17; A61K-038/38;  
A61K-048/00; C07K-014/765; C12N-001/15; C12N-001/19; C12N-001/21;  
C12N-005/10; C12N-009/88; C12N-015/12; C12N-015/14; C12N-015/60;  
C12N-015/80; C12N-015/81; C12R-001-85

File Segment: CPI